Safety Data Sheet
9.XF600 - 9.XF600/4L - 9.XF600/500

Safety Data Sheet dated 7/7/2025, version 1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Mixture identification:

Trade name: XF600

Trade code: 9.XF600 - 9.XF600/4L - 9.XF600/500

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use:

Abrasive and polishing compound

Uses advised against:

All not indicated in the suggested uses.

1.3. Details of the supplier of the safety data sheet

Company:

RUPES SPA - Via Marconi 3A - Loc. Vermezzo 20071 Vermezzo con Zelo (MI) – Italy

RUPES SPA - Telefono n°+3902946941

Competent person responsible for the safety data sheet:

info_rupes@rupes.it

1.4. Emergency telephone number

For United States, Canada Puerto Rico and Virgin Island: 1-800-255-3924

For China: 400-120-0751

For Brazil: 0-800-591-6042

For India: 000-800-100-4086

For Mexico: 01-800-099-0731

For Europe and all the other countries: 001-813-248-0585

Country	Emergency number	Country	Emergency number
Austria	+43 01406 43 43 (24/7)	Ireland	+353 01 809 2566 (24/7)
Czech Republic	+420 224 919 293 (24/7)	Ireland	+353 01 809 2566 (24/7)
Germany	112	Malta	112
Belgium	+ 32 070 245 245 (24/7)	Poland	112
Denmark	+45 8212 1212	Latvia	+371 67042473 (24/7)/112
Greece	+0030 2107793777 (24/7)	Netherlands	+31 (0) 88 755 8000 (24/7)
Bulgaria	+359 2 9154 233 (24/7)	Portugal	+351 800 250 250 (24/7)
Sweden	112	Lithuania	+370 (85) 2362052 (24/7)
Hungary	+36 80 201 199 (24/7)	Norway	+47 22 59 13 00 (24/7)
Croatia	+3851 2348 342 (24/7)	Romania	+40 (0) 021318 3606 (24/7)
Finland	+ 358 0800 147 111 (24/7)	Luxembourg	+352 8002 5500 (24/7)
Iceland	+354 5432222 (24/7) - 112	Slovenia	112
Cyprus	1401 (24/7)	Slovakia	+421 2 5477 4166 (24/7)
France	+33 (0)1 45 42 59 59 (24/7)	Spain	+ 34 91 562 04 20
Estonia	+372 7943 794 (24/7); 16662 (National, 24/7)		
Switzerland	Tox Info Suisse: Tel. 145 (24/7)		

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
EC regulation criteria 1272/2008 (CLP)
EUH066 Repeated exposure may cause skin dryness or cracking.
Adverse physicochemical, human health and environmental effects:
No other hazards
2.2. Label elements
The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).
Hazard pictograms:
None
Hazard statements:
None
Precautionary statements:
None
Special Provisions:
EUH066 Repeated exposure may cause skin dryness or cracking.
EUH210 Safety data sheet available on request.
Contains
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1): May produce an allergic reaction.
Special provisions according to Annex XVII of REACH and subsequent amendments:
None

2.3. Other hazards
No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%
Other Hazards:
No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances
N.A.
3.2. Mixtures
Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
>= 10% - < 25%	Hydrocarbons, C12-C16, isoalkanes, cyclics, <2% aromatics	EC: 927-676-8	3.10/1 Asp. Tox. 1 H304 EUH066
>= 2% - < 5%	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics	CAS: 246538-78-3 EC: 920-901-0	3.10/1 Asp. Tox. 1 H304 EUH066
14 ppm	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	Index number: 613-167-00-5 CAS: 55965-84-9	3.1/1/Dermal Acute Tox. 1 H310 3.1/2/Inhal Acute Tox. 2 H330 3.1/3/Oral Acute Tox. 3 H301 EUH071 Specific Concentration Limits:

			C >= 0,6%: Skin Corr. 1C H314 0,06% <= C < 0.6%: Skin Irrit. 2 H315 C >= 0,0015%: Skin Sens. 1A H317 C >= 0,6%: Eye Dam. 1 H318 0,06% <= C < 0.6%: Eye Irrit. 2 H319 Acute Toxicity Estimate: ATE - Oral 100 mg/kg bw ATE - Dermal 5 mg/kg bw ATE - Inhalation (Vapours) 0,501 mg/l ATE - Inhalation (Dust/mist) 0,051 mg/l

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

4.2. Most important symptoms and effects, both acute and delayed

None

4.3. Indication of any immediate medical attention and special treatment needed

Treatment:

None

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water. Carbon dioxide (CO2).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.
See protective measures under point 7 and 8.

6.2. Environmental precautions
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
Retain contaminated washing water and dispose it.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up
Wash with plenty of water.

6.4. Reference to other sections
See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Avoid contact with skin and eyes, inhalation of vapours and mists.
See also section 8 for recommended protective equipment.
Advice on general occupational hygiene:
Do not eat or drink while working.

7.2. Conditions for safe storage, including any incompatibilities
Keep away from food, drink and feed.
Incompatible materials:
None in particular.
Instructions as regards storage premises:
Adequately ventilated premises.

7.3. Specific end use(s)
Abrasive and polishing compound

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
No occupational exposure limit available

DNEL Exposure Limit Values
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) - CAS: 55965-84-9
Worker Industry: 0.02 mg/m3 - Consumer: 0.02 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects
Worker Industry: 0.04 mg/m3 - Consumer: 0.04 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects
Consumer: 0.09 mg/kg bw/day - Exposure: Human Oral - Frequency: Long Term, systemic effects
Consumer: 0.11 mg/kg bw/day - Exposure: Human Oral - Frequency: Short Term, local effects

PNEC Exposure Limit Values
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) - CAS: 55965-84-9
Target: Fresh Water - Value: 0.0034 mg/l
Target: Marine water - Value: 0.0034 mg/l
Target: STP - Value: 0.23 mg/l

Target: Freshwater sediments - Value: 0.027 mg/kg
Target: Soil (agricultural) - Value: 0.01 mg/kg

8.2. Exposure controls

Eye protection:
Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:
No special precaution must be adopted for normal use.

Protection for hands:
Not needed for normal use.

Respiratory protection:
Not needed for normal use.

Thermal Hazards:
None

Environmental exposure controls:
None

Appropriate engineering controls:
None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method	Notes
Physical state:	Paste	--	--
Colour:	White	--	--
Odour:	characteristic	--	--
Melting point/freezing point:	N.A.	--	--
Boiling point or initial boiling point and boiling range:	N.A.	--	--
Flammability:	Non-flammable	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point:	> 93 ° C	ASTM D93	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
pH:	8,5 - 9,5	--	--
Viscosity:	> 20.5 mm2/s	ISO 2555	--
Solubility in water:	partially miscible	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	N.A.	--	--
Density and/or relative density:	0.96 g/cm3	ISO 2811	--
Relative vapour density:	N.A.	--	--

9.2. Other information
None

SECTION 10: Stability and reactivity

10.1. Reactivity
Stable under normal conditions

10.2. Chemical stability
Stable under normal conditions
10.3. Possibility of hazardous reactions
None
10.4. Conditions to avoid
Stable under normal conditions.
10.5. Incompatible materials
None in particular.
10.6. Hazardous decomposition products
None.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008
Toxicological information of the product:
N.A.
Toxicological information of the main substances found in the product:
Hydrocarbons, C12-C16, isoalkanes, cyclics, <2% aromatics
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg - Source: OECD 401
Test: LC50 - Route: Inhalation Vapour - Species: Rat > 5.99 mg/l - Duration: 4h - Source: OECD 403
Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/m3 - Source: OECD 402
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics - CAS: 246538-78-3
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg - Source: OECD 401
Test: LD50 - Route: Skin - Species: Rabbit > 2200 mg/kg
Test: LC50 - Route: Inhalation Vapour - Species: Rat > 5 mg/l - Duration: 4h - Source: OECD 403
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) - CAS: 55965-84-9
a) acute toxicity:
Test: LD50 - Route: Skin - Species: Rabbit 5 mg/kg
ATE - Oral 100 mg/kg bw
ATE - Dermal 5 mg/kg bw
ATE - Inhalation (Vapours) 0,501 mg/l
ATE - Inhalation (Dust/mist) 0,051 mg/l
Test: LD50 - Route: Oral - Species: Rat 66 mg/kg - Source: OECD 401
ATE - Oral 100 mg/kg bw
ATE - Dermal 5 mg/kg bw
ATE - Inhalation (Vapours) 0,501 mg/l
ATE - Inhalation (Dust/mist) 0,051 mg/l
Test: LC50 - Route: Inhalation Mist - Species: Rat 0.171 mg/m3 - Duration: 4h - Source: OECD 403
ATE - Oral 100 mg/kg bw
ATE - Dermal 5 mg/kg bw
ATE - Inhalation (Vapours) 0,501 mg/l
ATE - Inhalation (Dust/mist) 0,051 mg/l

If not differently specified, the information required in Regulation (EU)2020/878 listed below must be considered as N.A.:

a) acute toxicity;
b) skin corrosion/irritation;
c) serious eye damage/irritation;
d) respiratory or skin sensitisation;
e) germ cell mutagenicity;
f) carcinogenicity;
g) reproductive toxicity;
h) STOT-single exposure;
i) STOT-repeated exposure;
j) aspiration hazard.

11.2. Information on other hazards

Endocrine disrupting properties:
No endocrine disruptor substances present in concentration >= 0.1%

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.
Hydrocarbons, C12-C16, isoalkanes, cyclics, <2% aromatics
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish > 788000 mg/l - Duration h: 96
Endpoint: LC50 - Species: Daphnia > 10000 mg/l - Duration h: 48 - Notes: EPA OPPTS 850.1020
Endpoint: EC50 - Species: Algae > 10000 mg/l - Duration h: 72 - Notes: OECD 201
b) Aquatic chronic toxicity:
Endpoint: NOEL - Species: Daphnia 1 mg/l - Notes: 21d, OECD 211
Endpoint: NOEL - Species: Fish > 1000 mg/l - Notes: 28d, QSAR
Hydrocarbons, C11-C13, isoalkanes, <2% aromatics - CAS: 246538-78-3
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96 - Notes: OECD 203
Endpoint: EC50 - Species: Algae > 1000 mg/l - Duration h: 72 - Notes: OECD 201
Endpoint: LC50 - Species: Daphnia > 1000 mg/l - Duration h: 48 - Notes: OECD 202
b) Aquatic chronic toxicity:
Endpoint: NOEL - Species: Fish 0.217 mg/l - Notes: 28d, QSAR
Endpoint: NOEL - Species: Daphnia 1 mg/l - Notes: 21d, OECD 211
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) - CAS: 55965-84-9
a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Fish 0.19 mg/l - Duration h: 96 - Notes: EPA OPP 72-1
Endpoint: EC50 - Species: Daphnia 0.16 mg/l - Duration h: 48 - Notes: EPA OPP 72-1
b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Fish 0.02 mg/l - Notes: 38d, OECD 210
Endpoint: NOEC - Species: Daphnia 0.1 mg/l - Notes: 21d, EPA OPP 72-4
e) Plant toxicity:
Endpoint: EC50 - Species: Algae 0.037 mg/l - Duration h: 72 - Notes: OECD 201

Endpoint: EC10 - Species: Algae 0.004 mg/l - Duration h: 72 - Notes: OECD 201

12.2. Persistence and degradability

Hydrocarbons, C12-C16, isoalkanes, cyclics, <2% aromatics

Biodegradability: Non-readily biodegradable - Notes: 22% / 28d, EPA OTS 796.3100

Hydrocarbons, C11-C13, isoalkanes, <2% aromatics - CAS: 246538-78-3

Biodegradability: Readily biodegradable - Notes: 69% / 28d. OECD 301F

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) - CAS: 55965-84-9

Biodegradability: 20157.4 - Notes: Inerentemente degradabile

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration >= 0.1%

12.7. Other adverse effects

None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

14.1. UN number or ID number

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

N.A.

14.3. Transport hazard class(es)

N.A.

14.4. Packing group

N.A.

14.5. Environmental hazards

Marine pollutant: No

N.A.

14.6. Special precautions for user

N.A.

14.7. Maritime transport in bulk according to IMO instruments

N.A.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) n. 2020/878
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2019/521 (ATP 12 CLP)
Regulation (EU) n. 2020/217 (ATP 14 CLP)
Regulation (EU) n. 2020/1182 (ATP 15 CLP)
Regulation (EU) n. 2021/643 (ATP 16 CLP)
Regulation (EU) n. 2021/849 (ATP 17 CLP)
Regulation (EU) n. 2022/692 (ATP 18 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

No restriction.

Restrictions related to the substances contained:

No restriction.

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)
Regulation (EC) nr 648/2004 (detergents).
Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

None

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Full text of phrases referred to in Section 3:

H304 May be fatal if swallowed and enters airways.
EUH066 Repeated exposure may cause skin dryness or cracking.
H310 Fatal in contact with skin.
H330 Fatal if inhaled.
H301 Toxic if swallowed.
EUH071 Corrosive to the respiratory tract.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.
H319 Causes serious eye irritation.

Hazard class and hazard category	Code	Description
Acute Tox. 1	3.1/1/Dermal	Acute toxicity (dermal), Category 1
Acute Tox. 2	3.1/2/Inhal	Acute toxicity (inhalation), Category 2
Acute Tox. 3	3.1/3/Oral	Acute toxicity (oral), Category 3
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
Skin Corr. 1C	3.2/1C	Skin corrosion, Category 1C
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1A	3.4.2/1A	Skin Sensitisation, Category 1A

This document was prepared by a competent person who has received appropriate training.
Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.
It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.
This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.

LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.